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Official Journal of the Plant Variety Protection Office



U.S. Department of Agriculture
Agricultural Marketing Service

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PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et. seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office
Livestock, Poultry, Grain & Seed Div., AMS
U.S. Department of Agriculture
Room 205, National Agricultural Library Bldg.
Beltsville, Maryland 20705

This issue covers the period from July 1, 1978, through September 30, 1978.

APPLICATIONS RECEIVED

<u>Application No.</u>	<u>Date</u>	<u>Name of Applicant</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
**7800091	July 24, 1978	Curators of the University of Missouri	Fescue, Tall	Missouri-96 (3)
**7800092	July 25, 1978	Permission to publish not rec'd.	Fescue, Red	Merlin (1)
**7800093	July 26, 1978	North American Plant Breeders	Barley	Bold (3)
7800094	Aug. 2, 1978	Asgrow Seed Company	Pea	XPF 98
7800095	Aug. 7, 1978	Sakata Seed America, Inc.	Parsley	Decora
**7800096	Aug. 7, 1978	Texas Agricultural Experiment Station	Cotton	Tamcot SP37H (3)
**7800097	Aug. 8, 1978	Delta and Pine Land Company	Cotton	Deltapine 70
7800098	Aug. 21, 1978	Permission to publish not rec'd.	Soybean	S-48
**7800099	Aug. 21, 1978	Kansas Agricultural Experiment Station	Alfalfa	Riley (2)
**7800100	Aug. 21, 1978	Kansas Agricultural Experiment Station	Wheat	Newton (3)
**7800101	Aug. 3, 1978	Northrup King Company	Soybean	S4055 (3)
7800102	June 6, 1978	Royal Sluis, Netherlands	Bean	Pros
7800103	June 6, 1978	Royal Sluis, Netherlands	Bean	Smilo
**7800104	Aug. 29, 1978	Pioneer Hi-Bred International, Inc.	Cotton	PR68 (3)
**7800105	Aug. 30, 1978	South Dakota Agricultural Exp. Station	Wheat	Eureka (2)
**7800106	Sept. 13, 1978	Foundation Seed Stocks	Bromegrass	Regro (2)

AMENDED APPLICATIONS

<u>Application No.</u>	<u>Date</u>	<u>Name of Applicant</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7500015	Sept. 17, 1974	Van Der Have, B.V., Neth.	Ryegrass, Annual	Ninak
**7800081	June 15, 1978	North American Plant Breeders	Soybean	AP 70
7800089	June 19, 1978	Ferry-Morse Seed Company	Lettuce	Calsweet
**7800090	May 30, 1978	University Patents, Inc.	Watermelon	Vic's Valentine

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7300056	July 13, 1978	Research Corporation	Squash	Table King
'Table King' most closely resembles 'Burpee Table Queen' except (1) the fruits are larger (0.8 cm longer, 1.2 cm wider, and 184 g heavier) and smoother; (2) female flower anthesis is 9 days later.				
7800027	July 13, 1978	Denholm Seeds	Marigold	Harmony Boy
'Harmony Boy' is most similar to 'Petite Harmony'. Compared to 'Petite Harmony', 'Harmony Boy' blooms 3-4 days earlier, plants are shorter (17 vs 20 cm), and flower heads are larger in diameter (50 vs 35 mm).				
**7800034	July 13, 1978	Coker's Pedigreed Seed Company	Soybean	Coker 237 (3)
'Coker 237' is most similar to 'Ransom'. 'Coker 237' has white flowers and powdery mildew resistance; whereas, 'Ransom' has purple flowers and is susceptible to powdery mildew.				
**7800035	July 13, 1978	Coker's Pedigreed Seed Company	Soybean	Coker 488 (3)
'Coker 488' is most similar to 'Bragg'. However, 'Bragg' is in maturity group VII and has white flowers and black hila; whereas, 'Coker 488' is in maturity group VIII and has purple flowers and brown hila.				
**7800052	July 13, 1978	Soybean Research Foundation, Inc.	Soybean	Matsoy (3)
'Matsoy' is most similar to 'Amsoy'; however, it is 5 days later in maturity and has brown pods; whereas, 'Amsoy' has tan pods.				
7800054	July 13, 1978	Soybean Research Foundation, Inc.	Soybean	PL723299L
'PL723299L' is most similar to its parent, 'Amsoy'; however, it is 5 days later in maturity than 'Amsoy'. 'PL7232992' is also similar to 'Matsoy' but has tan pods compared to brown pods of 'Matsoy'.				

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**7200070	Aug. 10, 1978	Arkansas Agricultural Experiment Station	Alfalfa	Victoria (2)
'Victoria' is most similar to 'Vernal'; however, 'Victoria' spreads by creeping roots or rhizomes and 'Vernal' does not. 'Victoria' also has greater resistance to spotted alfalfa aphid (rated 1.7 vs 6.3) than 'Vernal'.				
**7400046	Aug. 10, 1978	Illinois Agricultural Experiment Station	Red Clover	Redland (3)
'Redland' most closely resembles 'Kenland'. 'Redland' is considered resistant to powdery mildew when compared to 'Kenland', which is susceptible. It is not as resistant to powdery mildew as 'Lakeland' and 'Dollard'.				
7700079	Aug. 10, 1978	Ferry-Morse Seed Company	Bean	Plateau Provider
'Plateau Provider' most closely resembles 'White Seeded Provider'. 'Plateau Provider' is distinct from 'White Seeded Provider' by having a shorter seed length (11.3 mm vs 13.4 mm), wider pod between sutures (9.8 vs 8.9 mm), longer pod length (13.2 cm vs 12.6 cm), and flowers earlier (35.5 days vs 38.1 days).				
**7700084	Aug. 10, 1978	McNair Seed Company	Wheat	McNair 1003 (3)
'McNair 1003' most closely resembles 'McNair 1813', but 'McNair 1003' is 2-3 days later in maturity, and has lax, yellow heads; whereas, 'McNair 1813' has dense, brown heads.				
**7700109	Aug. 10, 1978	George Warner Seed Co.; Harpool Seed, Inc.; McGregor Milling & Grain A Div. of Esco Limited	Wheat	TexRed (3)
'TexRed' most closely resembles 'Sturdy', but 'TexRed' has brown chaff (glume) color; whereas, the chaff of 'Sturdy' is white. Both varieties are considered 'Blackhull' wheats in that black stripes may be superimposed on the glume color, depending on environment.				

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**7800003	Aug. 10, 1978	Douglass W. King Company	Wheat	DK-33S (3)
'DK-33S' most closely resembles 'Cajeme 71', but 'DK-33S' differs in having 1.27 cm longer heads, 1.47 cm longer awns, and 1.09 cm shorter beaks. 'DK-33S' is 1-2 days later in maturity.				
**7800013	Aug. 10, 1978	North American Plant Breeders	Wheat	Rocky (3)
'Rocky' most closely resembles 'Centurk', but 'Rocky' has a shorter beak length (3.32 vs 4.64 mm) and shows a light brown phenol reaction, whereas the phenol reaction of 'Centurk' is classified as black.				
7800049	Aug. 10, 1978	Soybean Research Foundation, Inc.	Soybean	Big Boy
'Big Boy' is most similar to 'Prize', but 'Big Boy' has brown pods, whereas 'Prize' has tan pods. 'Big Boy' also has larger seeds than 'Prize' (35 vs 27 gms/100 seeds).				
7800050	Aug. 10, 1978	Soybean Research Foundation, Inc.	Soybean	Dotson
'Dotson' is most similar to 'Chippewa 64'; however, 'Chippewa 64' has grey pubescence, tan pods, and yellow hilum; whereas, 'Dotson' has brown pubescence, brown pods, and black hilum.				
7600006	Sept. 20, 1978	FFR Cooperative	Soybean	FFR 444
'FFR 444' is most similar to 'Kent', but 'FFR 444' matures 5 days earlier than 'Kent'.				
**76TQ015	Sept. 20, 1978	Coker's Pedigreed Seed Company	Wheat	Coker 747 (3)
'Coker 747' most closely resembles 'Arthur 71'; however, 'Coker 747' is 7 cm shorter and has longer apical awnlets (26 mm vs 15 mm) than 'Arthur 71'.				
**7700025	Sept. 20, 1978	Gold Kist, Inc.	Soybean	Brooks (3)
'Brooks' most closely resembles 'Bragg' except 'Brooks' has a brown hilum; whereas, 'Bragg' has a black hilum.				
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**7800008	Sept. 20, 1978	Coker's Pedigreed Seed Company	Tobacco	Coker 48 (3)
'Coker 48' most closely resembles 'Coker 258'. 'Coker 48' is susceptible to root-knot nematode; whereas, 'Coker 258' is resistant. 'Coker 48' also resembles 'Coker 86' and 'NC95' and these varieties are also resistant to root-knot nematode; whereas, 'Coker 48' is susceptible.				
**7800016	Sept. 20, 1978	Wisconsin Agricultural Experiment Station	Wheat	Argee (3)
'Argee' is most similar to 'Timwin', but 'Argee' is susceptible to bunt; whereas, 'Timwin' is resistant. 'Argee' is also 6 cm taller (86 vs 80 cm), more winterhardy, and 2 days later in maturity than 'Timwin'.				
**7800021	Sept. 20, 1978	Callahan Enterprises, Inc.	Soybean	Rockford (3)
'Rockford' is most similar to 'Wells'. However, 'Rockford' is resistant to races III and IV of Phytophthora root rot; whereas, 'Wells' is susceptible to these races.				
7800023	Sept. 20, 1978	Delta and Pine Land Company	Cotton	Deltapine 80
'Deltapine 80' most closely resembles 'Deltapine 16' and 'Deltapine 61'. 'Deltapine 80' has a higher lint percent than 'Deltapine 16' (2.5% higher) and 'Deltapine 61' (1.0% higher). 'Deltapine 80' has a shorter fiber than 'Deltapine 16' (.03" shorter) and 'Deltapine 61' (.04" shorter).				
**7800051	Sept. 20, 1978	Soybean Research Foundation, Inc.	Soybean	Gutwein 421 (3)
'Gutwein 421' is most similar to its parent 'Clark 63'. However, 'Gutwein 421' can be distinguished from 'Clark 63' since it has white flowers and shiny seed coats, and is susceptible to Phytophthora root rot races 1 and 2; whereas, 'Clark 63' has purple flowers and dull seed coats, and is resistant to Phytophthora root rot races 1 and 2.				
7800053	Sept. 20, 1978	Soybean Research Foundation, Inc.	Soybean	PL709947
'PL709947' is most similar to 'Wayne'. However, 'PL709947' has brown hila and 38-58 cm shorter plant height; whereas, 'Wayne' has black hila.				
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7200010	Sept. 20, 1978	Pennington Grain & Seed, Inc.	Rye	Wintergrazer-70
'Wintergrazer-70' most closely resembles 'Wrens Abruzzi', except 'Wintergrazer-70' matures 7 days later than 'Wrens Abruzzi'.				
7200039	Sept. 29, 1978	North American Plant Breeders	Alfalfa	Anchor
'Anchor' is most similar to 'Saranac'; however, 'Anchor' is resistant to pea aphid; whereas, 'Saranac' is susceptible (44% vs 6% seedling survival). 'Anchor' is also more fall-dormant (9.8" vs 10.1" fall height) more winter hardy (5.5 vs 18 missing plants) and less bacterial wilt resistant (40% vs 55% resistant) than 'Saranac'.				
7300012	Sept. 29, 1978	Ring Around Products, Inc.	Sudangrass	Excel S235
'Excel S235' most closely resembles 'Greenleaf' except 'Excel S235' has a 4-6 cm shorter rachis and matures 10 to 12 days later than 'Greenleaf'. 'Excel S235' has 6-8 cm shorter rachis branches at mid-head, and more gray coloration in the leaf midribs than 'Greenleaf'. 'Excel S235' has approximately 200 fewer seeds per 10 grams than 'Greenleaf'.				
**7700018	Sept. 29, 1978	G & P Seed Co., Inc.	Cotton	GP 3774 (3)
'GP 3774' most closely resembles 'Tamcot SP37', but 'GP 3774' has a coarser fiber (4.4 vs 3.7 micronaire), and has larger bolls (.30 g more seed cotton/boll) than 'Tamcot SP31'. 'GP 3774' also closely resembles 'GP 3775', but 'GP 3774' has leaves that are distinctly more pubescent and has smaller bolls (.30-.40 g less seed cotton/boll) than 'GP 3775'.				
**7700019	Sept. 29, 1978	G & P Seed Co., Inc.	Cotton	GP 3755 (3)
'GP 3755' most closely resembles 'Tamcot SP37' and 'GP 3774'. 'GP 3755' has larger bolls than 'Tamcot SP37' (.40-70 g more seed cotton/boll) and 'GP 3774' (.30-.40 g more seed cotton/boll). 'GP 3755' has a coarser fiber (.3-.4 higher micronaire) than 'Tamcot SP37'.				

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7700075	Sept. 29, 1978	Lynnville Seed Company	Soybean	3035
'3035' is most similar to '3034'; however, '3035' is 11 cm taller than '3034' (114-120 cm vs 102-111 cm plant height).				
**7700107	Sept. 29, 1978	Zwaan & de Wiljes'	Kentucky Bluegrass	Harmony (3)
'Harmony' closely resembles 'Baron'. However, the upper leafblade surface of 'Harmony' is hairy; whereas, that of 'Baron' is hairless. 'Harmony' has a straight panicle axis; whereas, the panicle axis of 'Baron' is bent.				
**7700108	Sept. 29, 1978	Harpool Seeds, Inc., McGregor Milling & Grain Company Div. of Esco Limited	Wheat	Maverick (3)
'Maverick' most closely resembles 'Sturdy', but 'Maverick' has longer second internodes (17.27 vs 15.47 cm) and longer spikes (8.38 vs 7.65) than 'Sturdy'. Additionally, 'Maverick' does not show "Blackhull striping" of the glumes; whereas, 'Sturdy' does.				
7800022	Sept. 29, 1978	Delta and Pine Land Company	Cotton	Deltapine 26
'Deltapine 26' most closely resembles 'Deltapine 25'; however, 'Deltapine 26' has a higher lint percent than 'Deltapine 25' (36.6% vs 37.8%).				
**7800032	Sept. 29, 1978	Department of Horticulture and Forestry, Rutgers - The State University and Dr. Oved Shiffriss	Squash	Rutgers Golden Acorn
'Rutgers Golden Acorn' is most similar to 'Table King' except for fruit color. 'Rutgers Golden Acorn' has orange fruit; whereas, 'Table King' has green fruit.				
**7800085	Sept. 29, 1978	Minnesota Agricultural Experiment Station	Soybean	Hodgson 78
'Hodgson 78' is most similar to 'Hodgson' except for reaction to races 1 and 2 of Phytophthora root rot; 'Hodgson 78' is resistant; whereas, 'Hodgson' is susceptible.				
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**7800087	Sept. 29, 1978	Ohio Agricultural Research and Development Center	Wheat	Titan (3)

'Titan' most closely resembles 'Logan' and 'Ruler'. However, the phenol reaction of 'Titan' is black; whereas, the reaction of 'Logan' is light brown, and that of 'Ruler' is brown.

AMENDED CERTIFICATES

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of Kind</u>	<u>Name of Variety</u>
7300012	Oct. 10, 1972	Ring Around Products, Inc.	Sudangrass	Excel S235
**7700036	Jan. 31, 1977	Soybean Research Foundation, Inc.	Soybean	Gutwein 180
**7700102	May 18, 1978	North Carolina Foundation Seed Producers, Inc.	Oat	Firecracker (3)
**7800032	Mar. 17, 1978	Rutgers State Univ. & Dr. Shifriss	Squash	Rutgers Golden Acorn
**7800051	Mar. 30, 1978	Soybean Research Foundation, Inc.	Soybean	Gutwein 421

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FIRST CLASS

GENERAL INFORMATION

New Commissioner Appointed

Bernard M. Leese, Jr., has been named commissioner of the Plant Variety Protection (PVP) Office. Leese, former chief examiner for the office, has been serving as acting commissioner.

The office, headquartered in Beltsville, Md., carries out the 1970 PVP Act, which provides legal protection to developers of new varieties of vegetables, field crops, and flowers that reproduce from seed. The office is a unit of the Livestock, Poultry, Grain and Seed Division.

Leese helped create and pioneer a system of describing characters of plant varieties in a standard format that was adapted to a new computer storage and retrieval system. The system, now in use in the U.S., has become a model for other countries in granting plant developers exclusive rights to market new varieties.

Leese joined USDA in 1951 as a plant and seed taxonomist, serving as a plant explorer. In 1961, he joined AMS as a plant variety specialist in seed testing and enforcement work. In 1968, he became head of AMS' seed testing activity. When the PVP office was established in 1971, he was appointed first chief examiner.

A native of West Virginia, Leese, his wife, and their three children now live in Silver Spring.

Correction in Description of New Variety

In Official Journal 6(2):12, June 1978, the sentence beginning on line 6 should read: "The edible quality and color of the peas are comparable with the other varieties of the group but the average "berry" size of 'Knight' is somewhat smaller."

Correction in Press Release for Red Clover Variety 'Florex'

The statement "Florex will be sold as certified seed only" was inadvertently added to the press release. 'Florex' will not be sold as certified seed only.